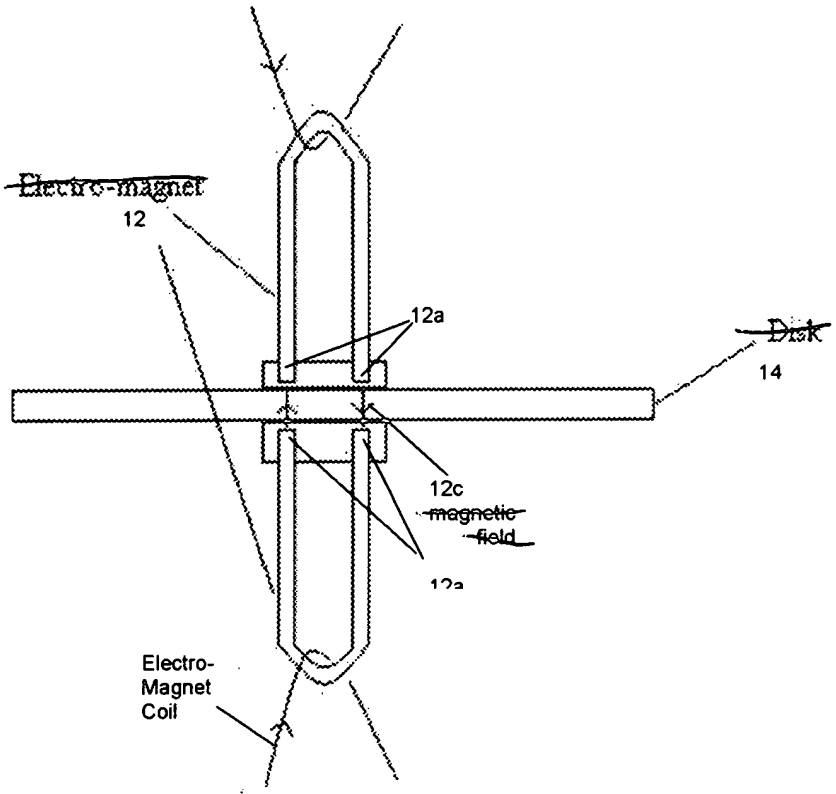


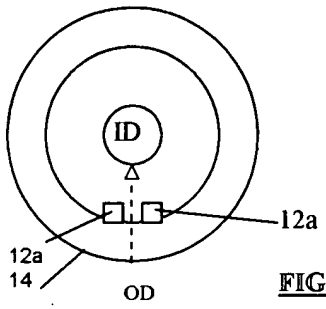


FIG. 1B

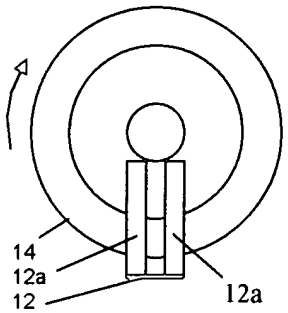


FIG. 1C

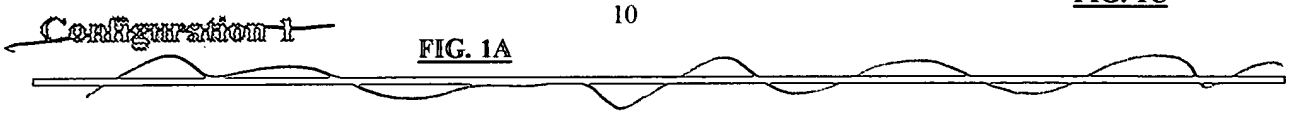
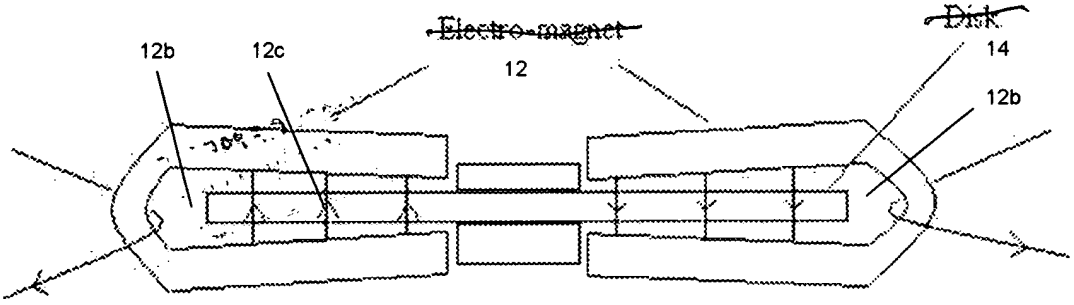


FIG. 1A



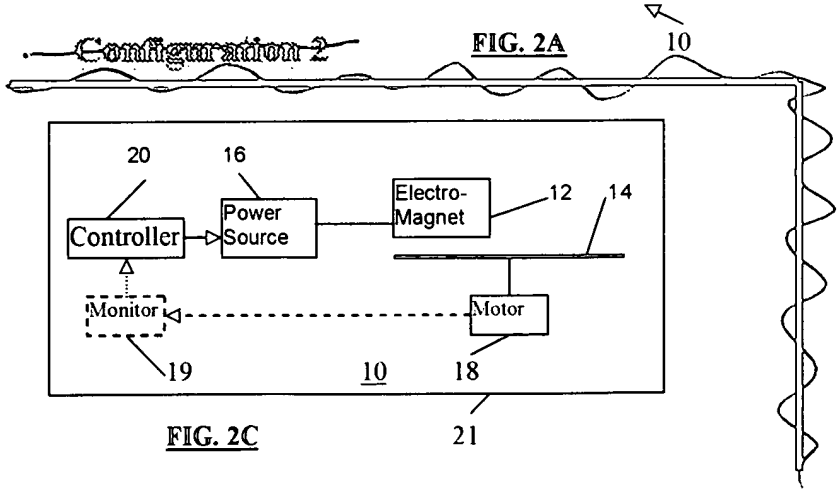


FIG. 2A

FIG. 2C

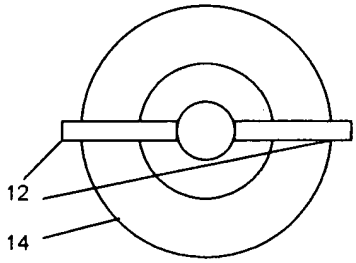


FIG. 2B

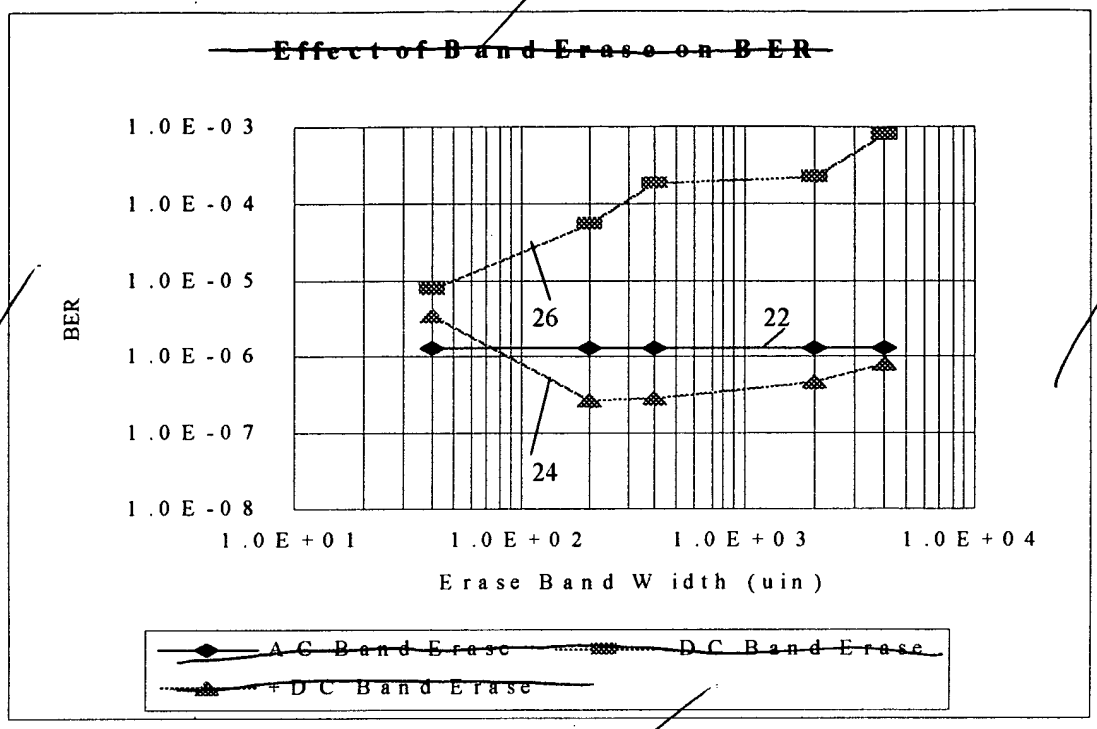


FIG. 3A - Effect of Band Erase on BER

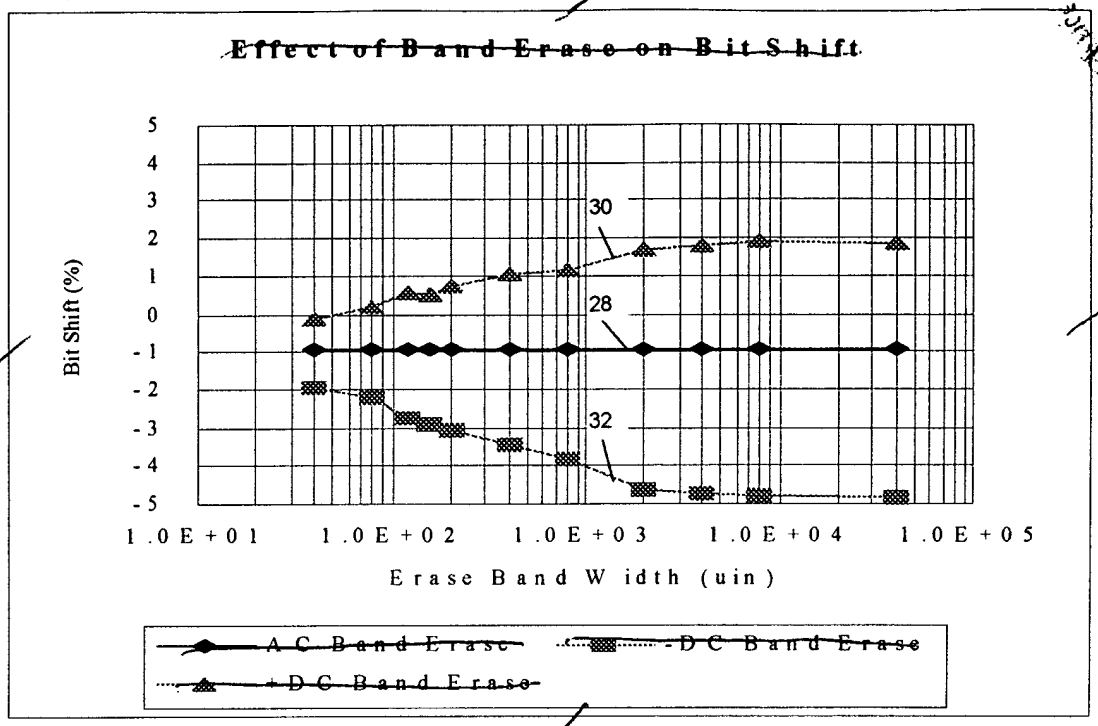


FIG. 3B - Effect of Band Erase on Transition Shift

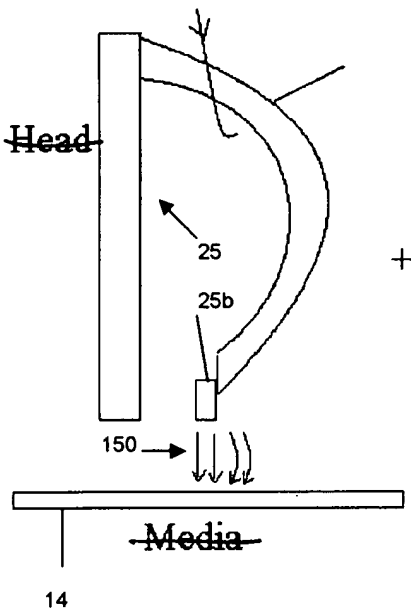


FIG. 4C (AC Erase)

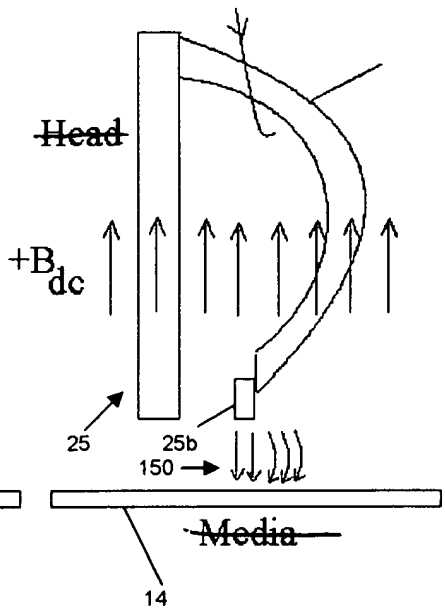


FIG. 7B (+DC Erase)

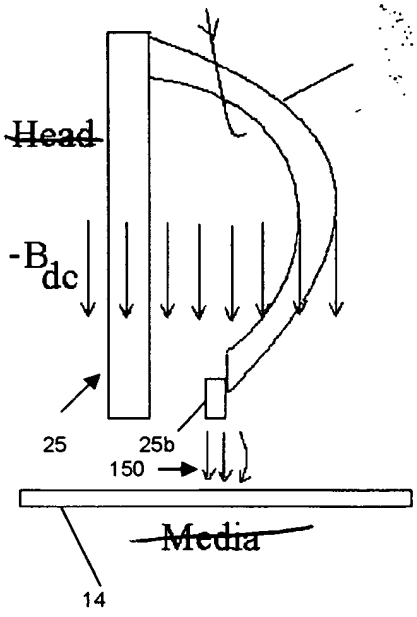


FIG. 7C (-DC Erase)

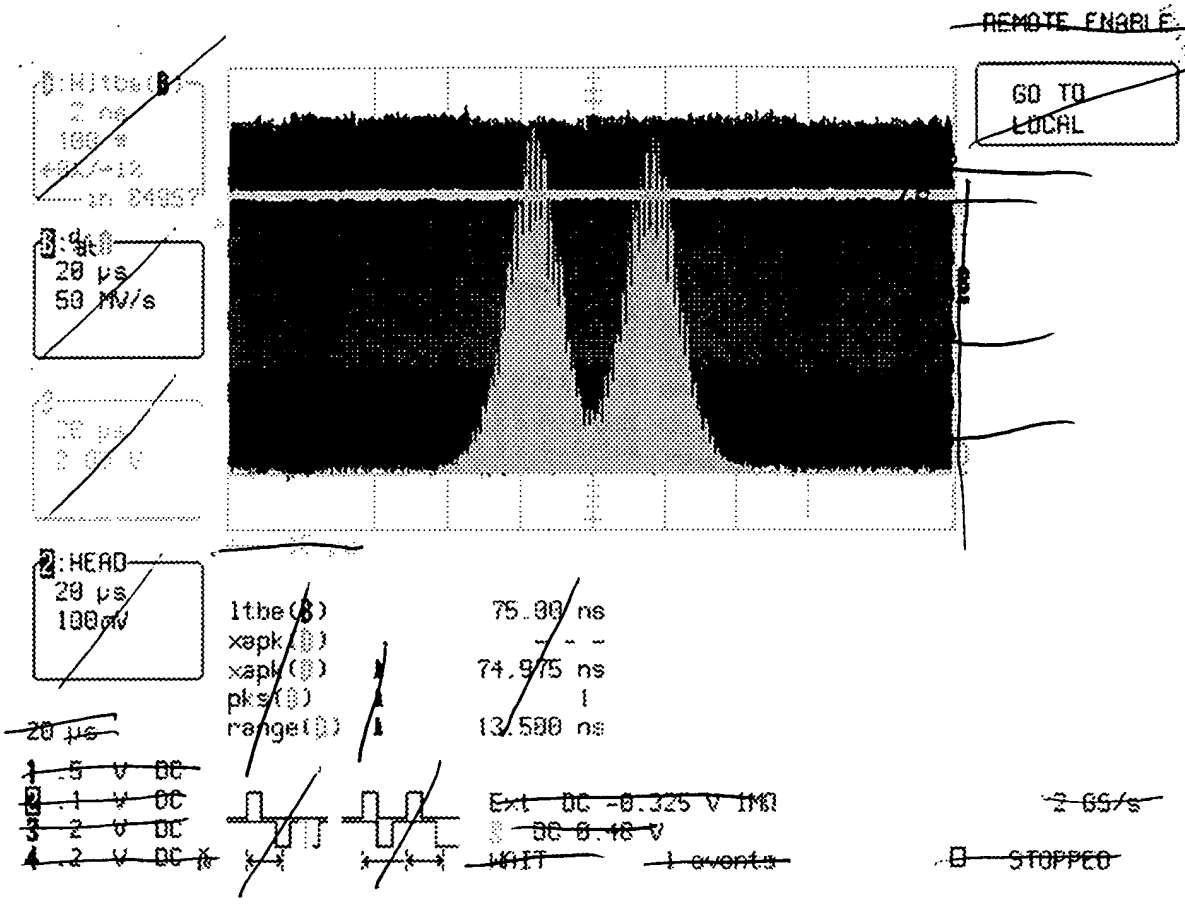


FIG. 6A (Prior Art) ~~Readback signal timing histogram of differentiated data written after a conventional DC band erase~~.

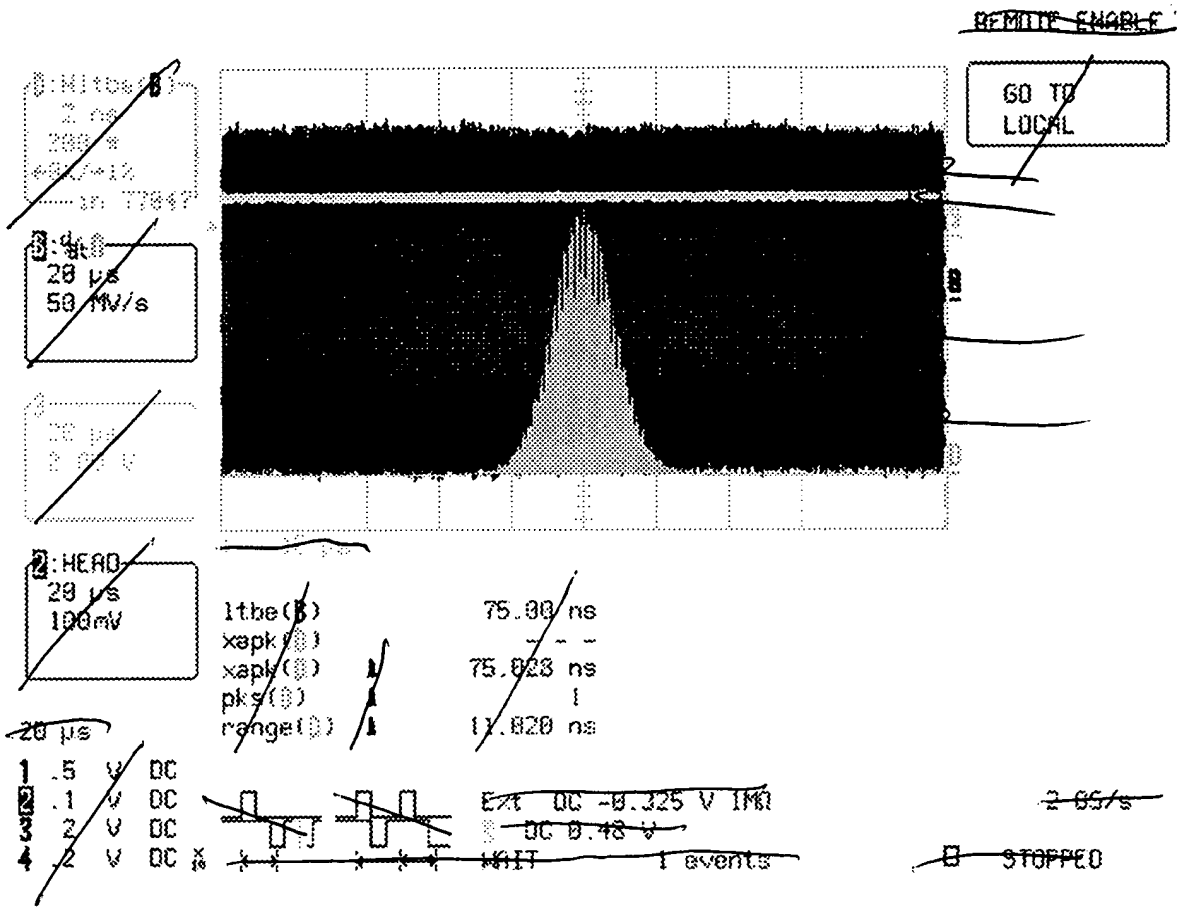


FIG. 6B ~~Read back signal measurement for a track written on as-received media from disk sputtering process without any net magnetization, wherein timing asymmetry is eliminated.~~

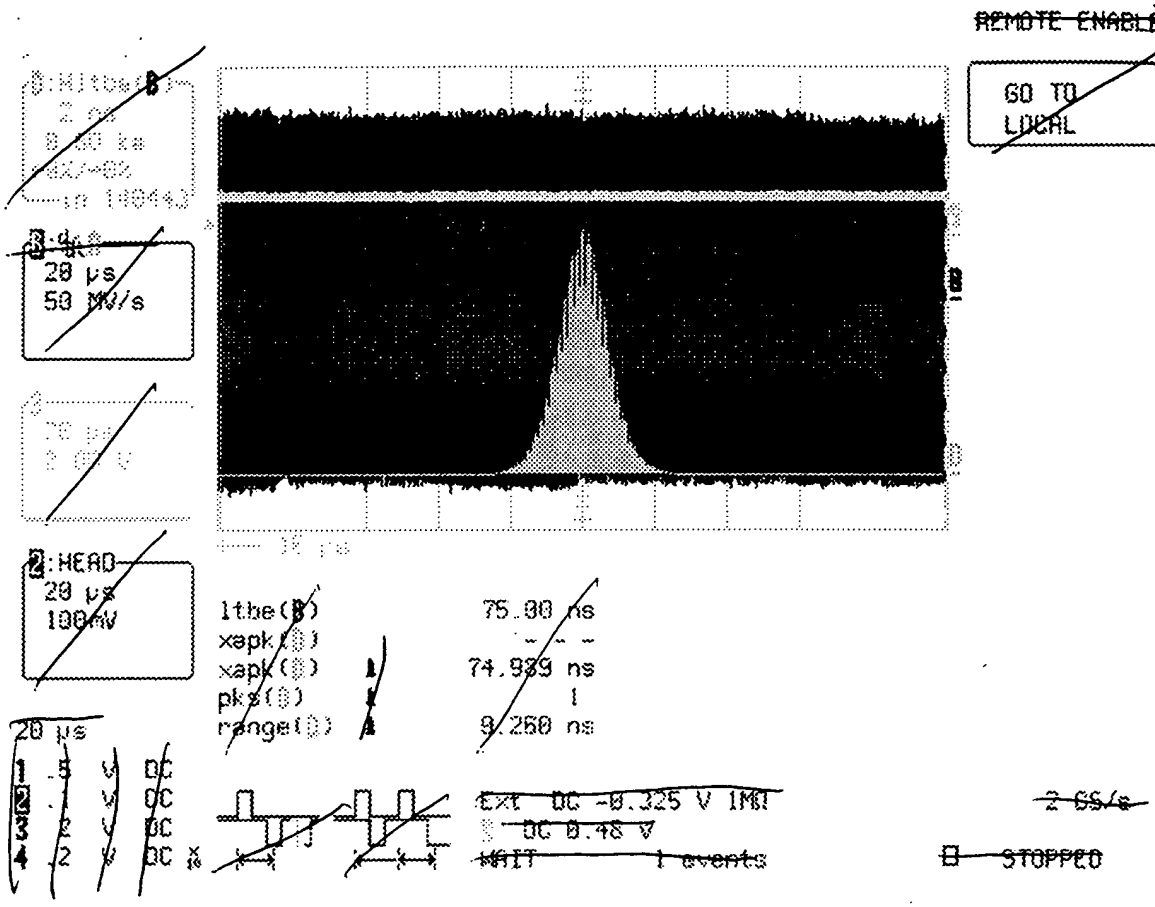


FIG. 7D - Measurement of data written on media preconditioned by DC erasing with alternate polarity on adjacent tracks, wherein timing asymmetry is eliminated.